Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Speaks	Neural Synchrony and Plasticity in Children with Autism	$0	2.1	University of North Carolina at Chapel Hill
Autism Speaks	Na+-H+ Exchanger Mechanisms in Autism Pathophysiology and Treatment	$0	2.1	Brown University
Autism Science Foundation	Investigating Autism with Direct Intracranial Recordings	$0	2.2	California Institute of Technology
Brain & Behavior Research Foundation	Role of Serotonin Signaling during Neural Circuitry Formation in Autism Spectrum Disorders	$15,000	2.1	Massachusetts Institute of Technology
Department of Defense - Army	IMPLICIT LEARNING ABILITIES PREDICT TREATMENT RESPONSE IN AUTISM SPECTRUM DISORDERS	$0	2.1	Weill Cornell Medical College
Department of Defense - Army	BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS	$0	2.1	University of Maryland, College Park
Brain & Behavior Research Foundation	Evoked Neurotransmitter and Neurochemical Amygdala Responses and Autonomic Arousal to Social Threat and Safety Signals in Typically Developing and Autistic Children and Adolescents	$35,000	2.1	University of Wisconsin-Madison
Brain & Behavior Research Foundation	Interpersonal Neural Coordination During Social Interaction in Children with Autism Spectrum Disorders	$34,970	2.1	University of Pittsburgh
Brain & Behavior Research Foundation	Developmental Role of Prefrontal Cortex-raphe Circuits in Stress and Mood Disorders	$17,500	2.1	INSERM
National Institutes of Health	Multiscale Genetic Connectivity of Primate Social Circuits	$643,674	2.1	University of Utah
National Institutes of Health	Brain Network Development in Normal and Autistic Children	$187,164	2.1	University of Utah
Brain & Behavior Research Foundation	Rapid Phenomic Interrogation of CRISPR-Cas9 Edited Mammalian Brains	$35,000	2.1	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Developing Neural Markers to Evaluate Social Skills Training in ASD	$35,000	2.1	California Institute of Technology
Autism Speaks	Alterations of the human brain structural connectome in preschool aged children with ASD	$30,000	2.1	University of California, Davis
Autism Speaks	Cell-type and circuit-specific functional deficits in cortex from gene disruptions linked to autism	$0	2.1	University of North Carolina at Chapel Hill
Brain & Behavior Research Foundation	Excitatory/Inhibitory Imbalance in Autism and Early-course Schizophrenia	$14,931	2.1	Yale University
National Institutes of Health	Brain Systems Supporting Learning and Memory in Children with Autism	$166,338	2.1	Stanford University
National Institutes of Health	Robust trans-synaptic labeling technologies for cell type-specific quantitation of synaptic connectivity	$333,000	2.Core/Other	Salk Institute for Biological Studies
National Institutes of Health	An fMRI investigation of propagated intrinsic activity in early development and autism	$29,911	2.1	Washington University in St. Louis

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National Institutes of Health	Electrophysiological Signatures of Language Impairment in Autism Spectrum Disord	$318,519	2.1	Children's Hospital of Philadelphia
Simons Foundation	A novel window into ASD through genetic targeting of striosomes - Core	$175,141	2.1	Massachusetts Institute of Technology
Simons Foundation	Disrupted Network Activity in Neonatal Cortex of Mouse Models of Autism	$62,500	2.1	Yale University
National Institutes of Health	Abnormal Cerebellar Physiology and Development in the Autistic Brain	$43,576	2.1	University of Chicago
National Institutes of Health	Multimodal Developmental Neurogenetics of Females with ASD	$2,525,159	2.CC	George Washington University
National Institutes of Health	Cdh8-dependent circuit development in autism	$423,750	2.1	Icahn School of Medicine At Mount Sinai
Simons Foundation	Top-down dynamics in autism	$210,000	2.1	Rockefeller University
Simons Foundation	The role of striatal interneurons in social deficits and repetitive behaviors	$70,000	2.CC	Yale University
Simons Foundation	A novel window into ASD through genetic targeting of striosomes - Project 1	$72,271	2.1	Cold Spring Harbor Laboratory
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	$39,613	2.1	University of California, San Francisco
National Institutes of Health	Striatal Glutamate Signaling and Cognition in Autism Mouse Models	$225,619	2.1	University of Illinois at Chicago
National Institutes of Health	Regulation of Excitatory-Inhibitory Balance by Local Translation of the Immediate Early Gene Npas4	$54,294	2.Core/Other	University of California, San Diego
National Institutes of Health	Early Social Communication Environment and Brain Development in Infants at Risk for Autism	$88,597	2.1	University of North Carolina at Chapel Hill
National Institutes of Health	Network Abnormalities in Autism	$77,313	2.1	University of Vermont
National Institutes of Health	Quantitative Analysis of the Postsynaptic Inhibitory Complex In Vivo	$238,500	2.Core/Other	Duke University
National Institutes of Health	Brain Systems Underlying Episodic Memory for Social Stimuli in Childhood Autism	$123,112	2.1	Stanford University
National Institutes of Health	ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$1	2.Core/Other	Emory University
Simons Foundation	Cortico-striatal dysfunction in the eIF4E transgenic mouse model of autism	$0	2.1	New York University
National Institutes of Health	Thalamic activity and structure and surface neural oscillations in autism	$182,546	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Cognitive and Neural Flexibility in Autism	$474,322	2.1	University of Miami
Simons Foundation	Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	$248,843	2.1	George Washington University

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Simons Foundation	Optical imaging of circuit dynamics in autism models in virtual reality	$0	2.1	Harvard Medical School
National Institutes of Health	Neural basis of working memory and inhibitory control in ASD Children using NIRS	$30,876	2.1	Georgetown University
National Institutes of Health	Inhibitory dysfunction in autism	$552,541	2.1	University of Washington
National Institutes of Health	Connectivity of the Posterior Cerebellum	$40,176	2.1	Princeton University
National Institutes of Health	The neurobiological basis of heterogeneous social and motor deficits in ASD	$423,920	2.1	University of Southern California
National Institutes of Health	The Autistic Brain Over 45: The Anatomic, Functional, and Cognitive Phenotype	$703,652	2.3	San Diego State University
National Institutes of Health	Prefrontal corticothalamic circuits in autism	$178,646	2.1	University of California, San Francisco
Simons Foundation	Neural mechanisms of social reward in mouse models of autism	$249,994	2.1	Stanford University
Simons Foundation	Neuroligin function in the prefrontal cortex and autism pathogenesis	$250,000	2.1	Stanford University
Simons Foundation	Decoding Affective Prosody and Communication Circuits in Autism	$287,870	2.1	Stanford University
Simons Foundation	Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders.	$250,000	2.1	Brandeis University
National Institutes of Health	Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder	$138,243	2.1	University of Pennsylvania
Simons Foundation	Gender and temporoparietal network interactions in autism	$70,000	2.CC	Princeton University
National Institutes of Health	Elucidating cutaneous mechanosensory circuits, from development to disease	$831,501	2.1	Harvard Medical School
Department of Defense - Army	Brain Network Activation Patterns in Autism Due to Genomic Copy Number Variation	$562,429	2.1	Baylor College of Medicine
Simons Foundation	Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	$124,973	2.1	University of California, Los Angeles
Simons Foundation	Brain imaging of treatment response	$124,334	2.1	The Hospital for Sick Children
Simons Foundation	Linking cortical circuit dysfunction and abnormal behavior in genetic mouse models of autism	$0	2.1	University of California, Los Angeles
Simons Foundation	Neural and cognitive discoordination in autism-related mouse models	$0	2.1	New York University
Simons Foundation	Convergent signaling pathways linking PTEN and MeCP2, two risk genes for autism spectrum disorders	$67,200	2.1	Charité – Medical University of Berlin
National Institutes of Health	Change in social adaptive action and brain connectivity in infants' first 6 months	$165,939	2.1	Emory University
Simons Foundation	Hippocampal mechanisms of social learning in animal models of autism	$0	2.1	Baylor College of Medicine

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National Institutes of Health	Functional and Structural Optical Brain Imaging	$822,591	2.1	National Institutes of Health
Autism Research Institute	A Quantitative Study of Pyramidal Cells and Interneurons in the Cerebral Cortex	$20,000	2.1	University of South Carolina, Greenville
National Institutes of Health	Developmental Neurogenomics Unit	$2,390,943	2.1	National Institutes of Health
Simons Foundation	Measuring the size of face regions in female and males	$58,035	2.CC	University of York
National Institutes of Health	MEG Studies of Auditory Processing in Minimally/Non-Verbal Children with ASD and Intellectual Disability	$245,548	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Neuronal Basis of Vicarious Reinforcement Dysfunction in Autism Spectrum Disorder	$174,607	2.1	Duke University
National Institutes of Health	Development of a whole-brain cellular mapping approach in a genetic model of autism and intellectual disability	$269,000	2.1	Scripps Research Institute - Florida
National Institutes of Health	Novel non-cell autonomous mechanisms of callosal dysgenesis in CHARGE syndrome	$34,952	2.Core/Other	University of Michigan
National Institutes of Health	Bidirectional Tyrosine Kinase Signaling	$523,695	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Imaging adaptive cerebellar processing at cellular resolution in awake mice	$428,215	2.1	Princeton University
National Institutes of Health	Roles of Oxytocin and Vasopressin in Brain	$2,020,403	2.1	National Institutes of Health
National Institutes of Health	The Cognitive Neuroscience of Autism Spectrum Disorders	$1,162,902	2.1	National Institutes of Health
National Institutes of Health	GABAergic Neurophysiology in Autism Spectrum Disorder	$195,048	2.1	Stanford University
National Institutes of Health	Functional connectivity substrates of social and non-social deficits in ASD	$702,426	2.1	Massachusetts General Hospital
National Institutes of Health	Neural basis underlying autistic behaviors	$288,000	2.1	Scripps Research Institute - Florida
National Institutes of Health	Integrity and Dynamic Processing Efficiency of Networks in ASD	$620,386	2.1	San Diego State University
National Institutes of Health	Loss and rescue of endocannabinoid-dependent LTP and memory in Fragile-X model mice	$460,044	2.1	University of California, Irvine
National Institutes of Health	Formation and Function of Circuitry for Vocal Learning	$361,456	2.1	University of California, Los Angeles
National Institutes of Health	Cell adhesion molecules in autism: a whole-brain study of genetic mouse models	$473,750	2.1	Cold Spring Harbor Laboratory
National Institutes of Health	Imaging Brain Function in Children with Autism Spectrum Disorders with Diffuse Optical Tomography	$141,178	2.1	Washington University in St. Louis

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National Institutes of Health	Neuronal Correlates of Autistic Traits in ADHD and Autism	$785,428	2.1	New York University School of Medicine
National Institutes of Health	Mechanisms of Brain Dysfunction in Tuberous Sclerosis	$333,594	2.1	Washington University in St. Louis
National Institutes of Health	CRISPR/Cas9-Based Functional Characterization of ANK2 Mutations in ASD Neural Circuitry	$95,886	2.1	Massachusetts General Hospital
National Institutes of Health	M1 circuit dysfunction in MECP2 duplication syndrome	$282,068	2.1	Brigham and Women's Hospital
National Institutes of Health	Cortical Circuit Dysfunction in Fragile X Syndrome	$339,738	2.1	University of Colorado Denver
National Institutes of Health	Alterations to corticothalamic circuitry in a mouse model of autism	$12,090	2.1	Louisiana State University
National Institutes of Health	Alterations to corticothalamic circuitry in a mouse model of autism	$110,270	2.1	Louisiana State University